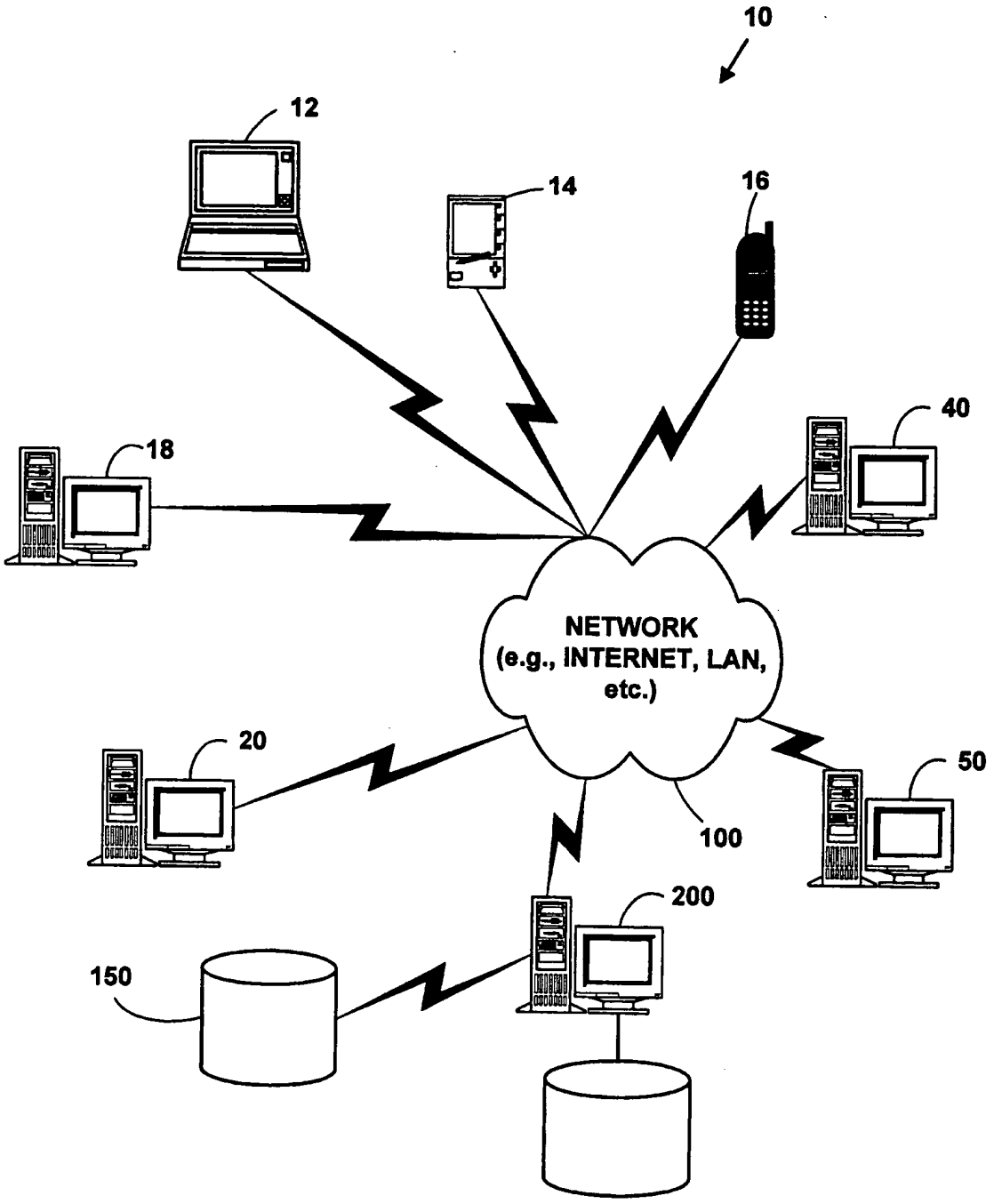


FIGURE 1

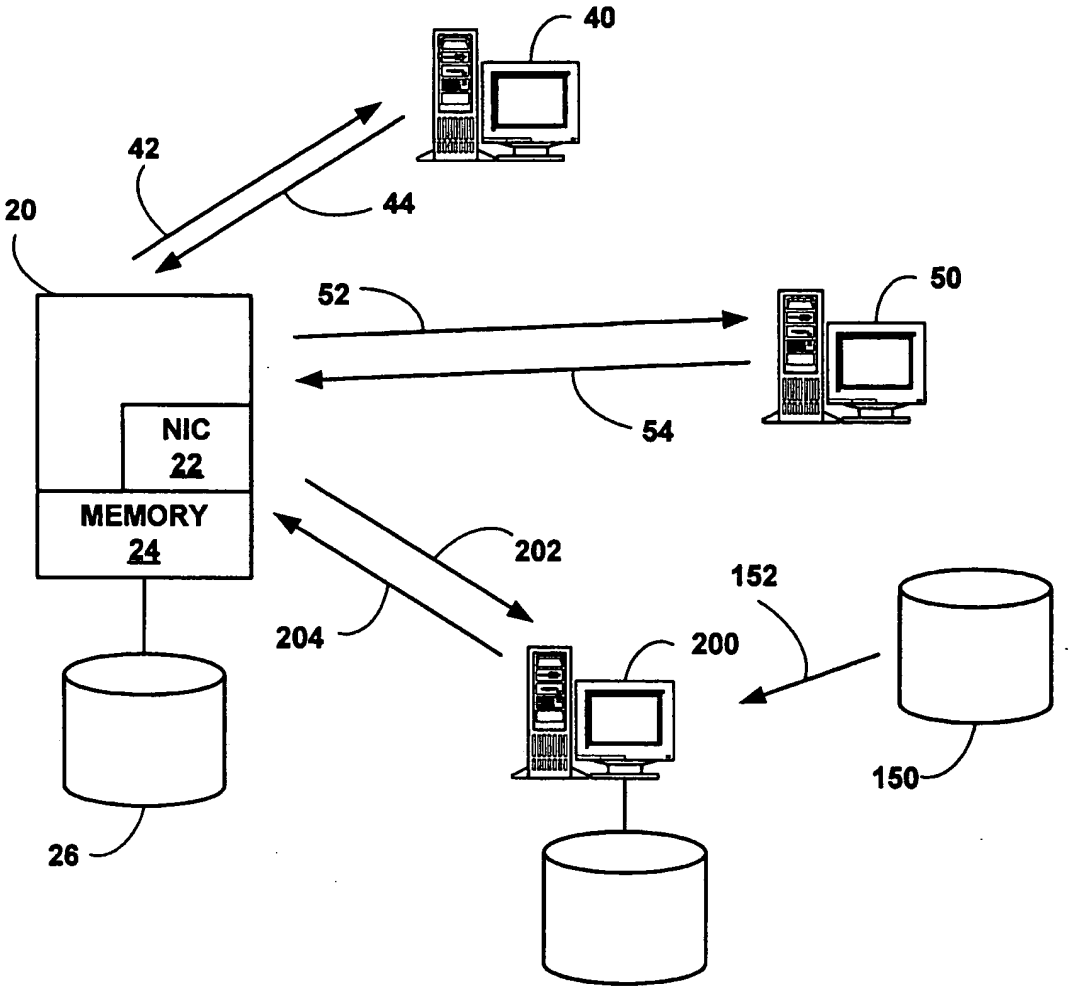


FIGURE 2

FIGURE 3

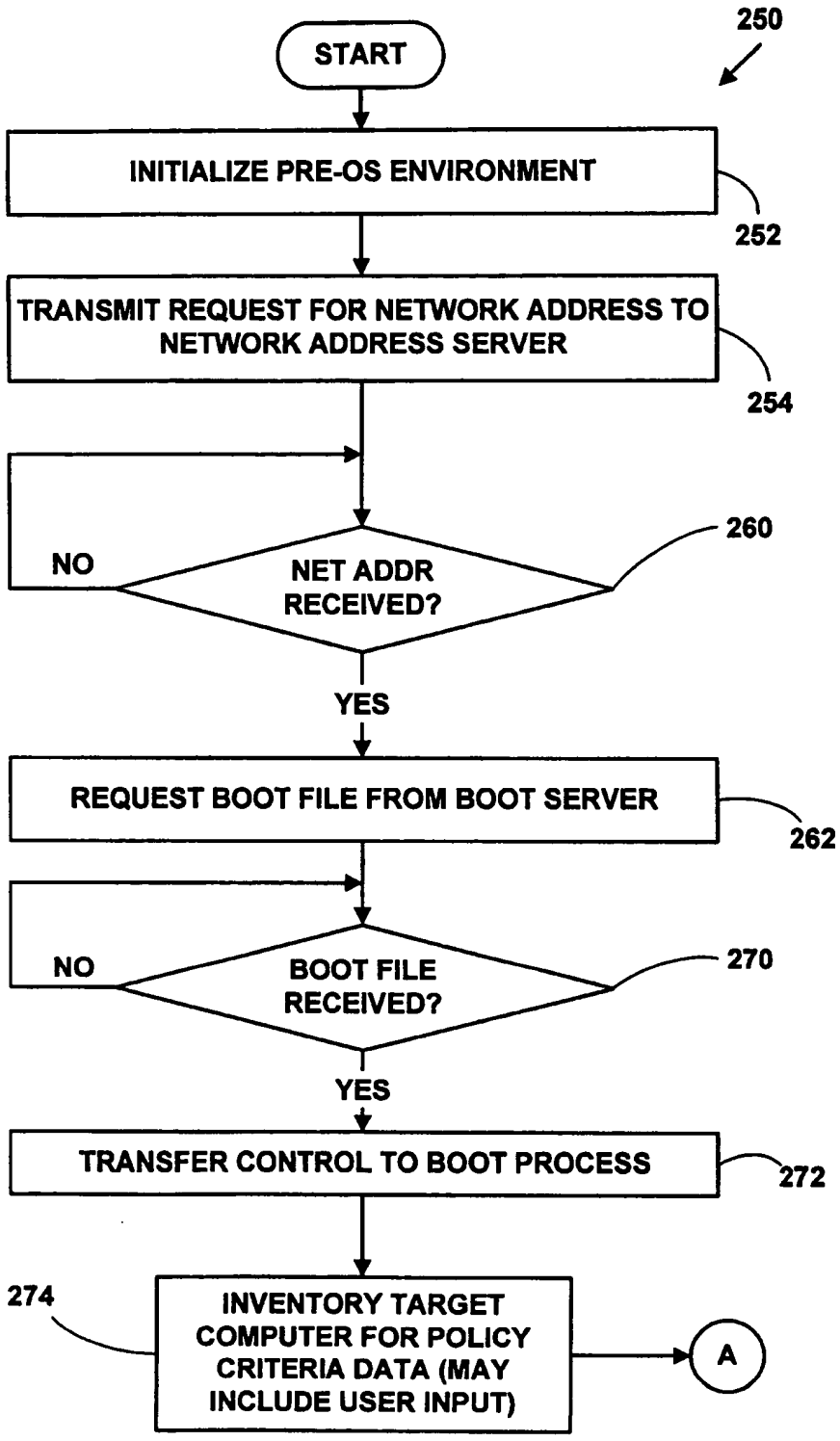
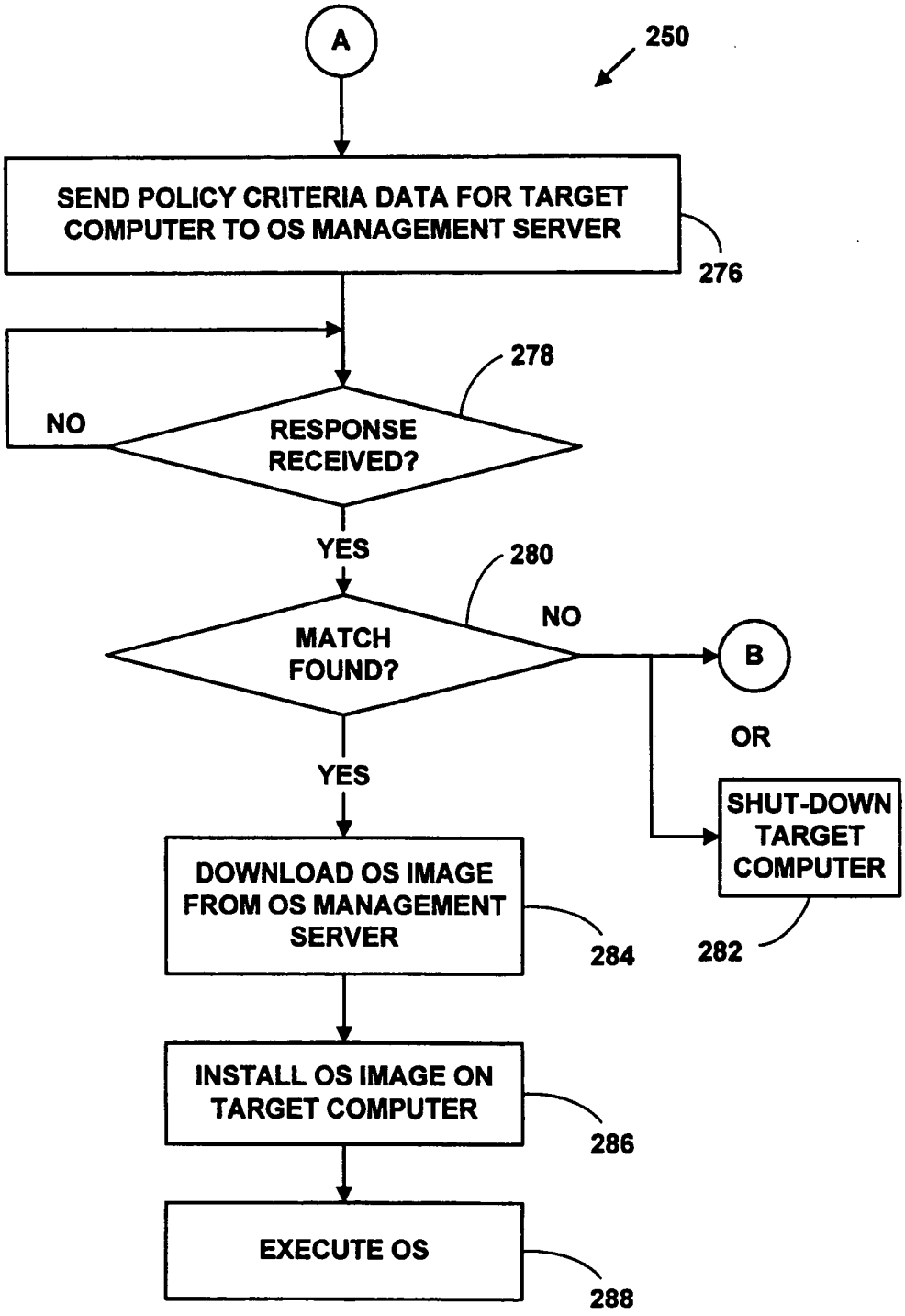

250
START
INITIALIZE PRE-OS ENVIRONMENT
252
TRANSMIT REQUEST FOR NETWORK ADDRESS TO NETWORK ADDRESS SERVER
254
NO
NET ADDR RECEIVED?
260
YES
REQUEST BOOT FILE FROM BOOT SERVER
262
NO
BOOT FILE RECEIVED?
270
YES
TRANSFER CONTROL TO BOOT PROCESS
272
274
INVENTORY TARGET COMPUTER FOR POLICY CRITERIA DATA (MAY INCLUDE USER INPUT)
A

FIGURE 4


A
250
SEND POLICY CRITERIA DATA FOR TARGET COMPUTER TO OS MANAGEMENT SERVER
276
278
NO
RESPONSE RECEIVED?
YES
280
NO
MATCH FOUND?
B
OR
YES
SHUT-DOWN TARGET COMPUTER
282
DOWNLOAD OS IMAGE FROM OS MANAGEMENT SERVER
284
INSTALL OS IMAGE ON TARGET COMPUTER
286
EXECUTE OS
288

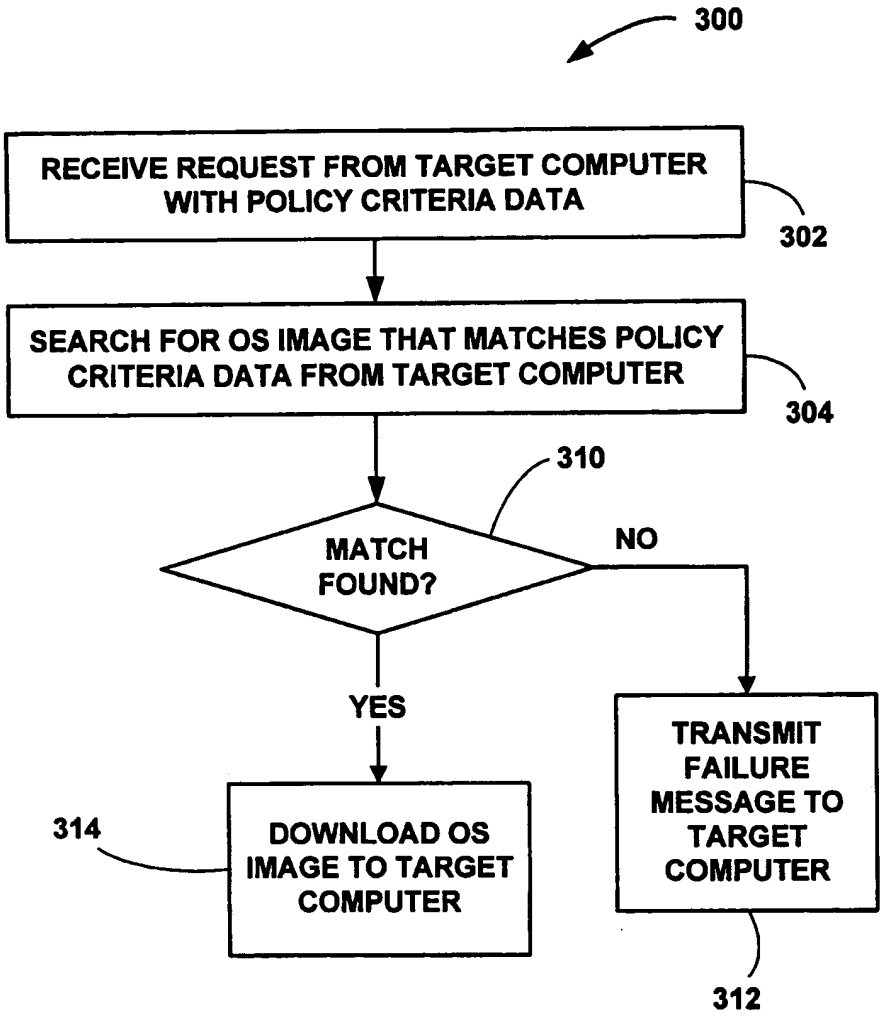

300
RECEIVE REQUEST FROM TARGET COMPUTER WITH POLICY CRITERIA DATA
302
SEARCH FOR OS IMAGE THAT MATCHES POLICY CRITERIA DATA FROM TARGET COMPUTER
304
310
MATCH FOUND?
NO
YES
TRANSMIT FAILURE MESSAGE TO TARGET COMPUTER
312
314
DOWNLOAD OS IMAGE TO TARGET COMPUTER

FIGURE 5

FIGURE 6

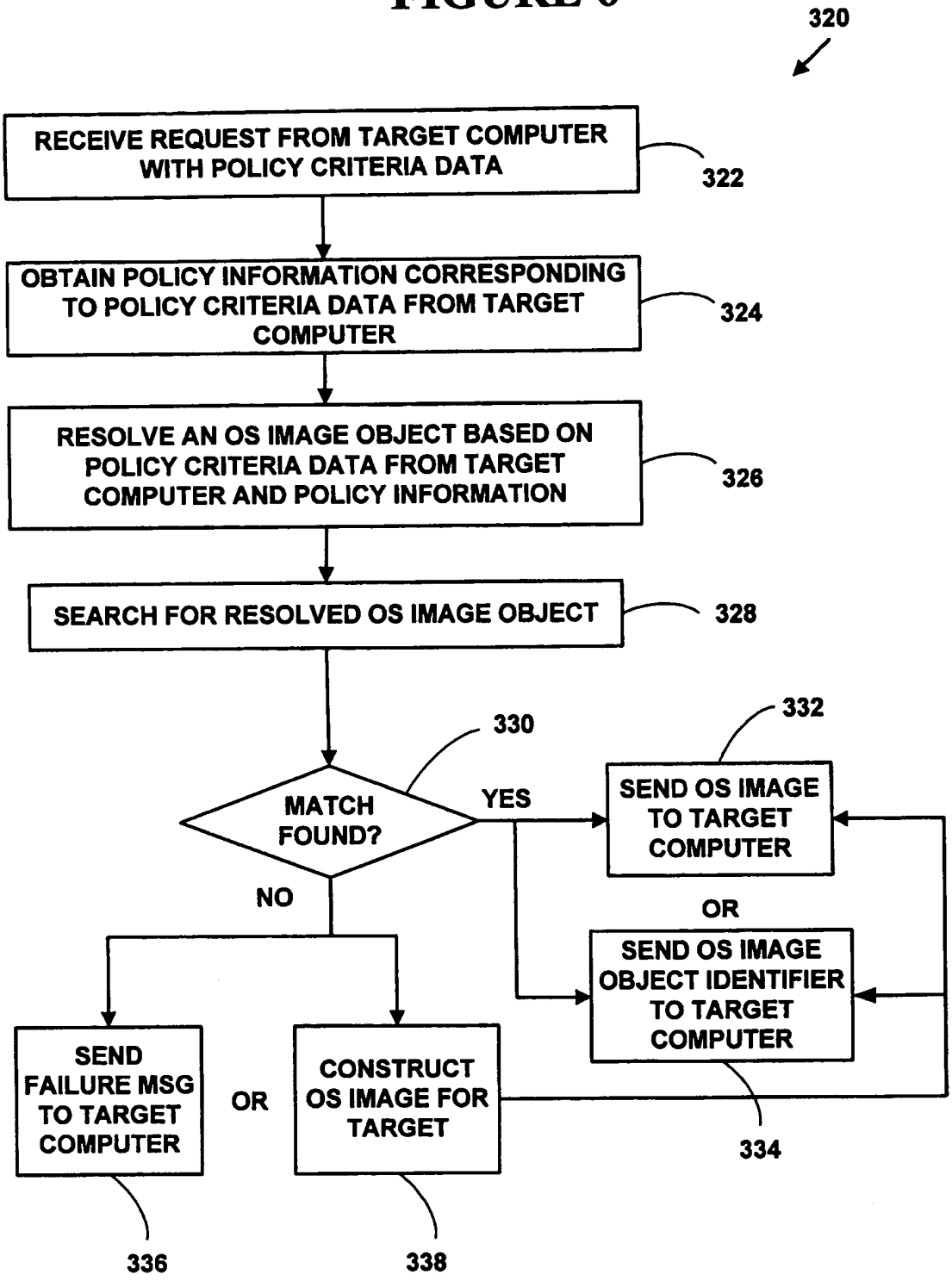
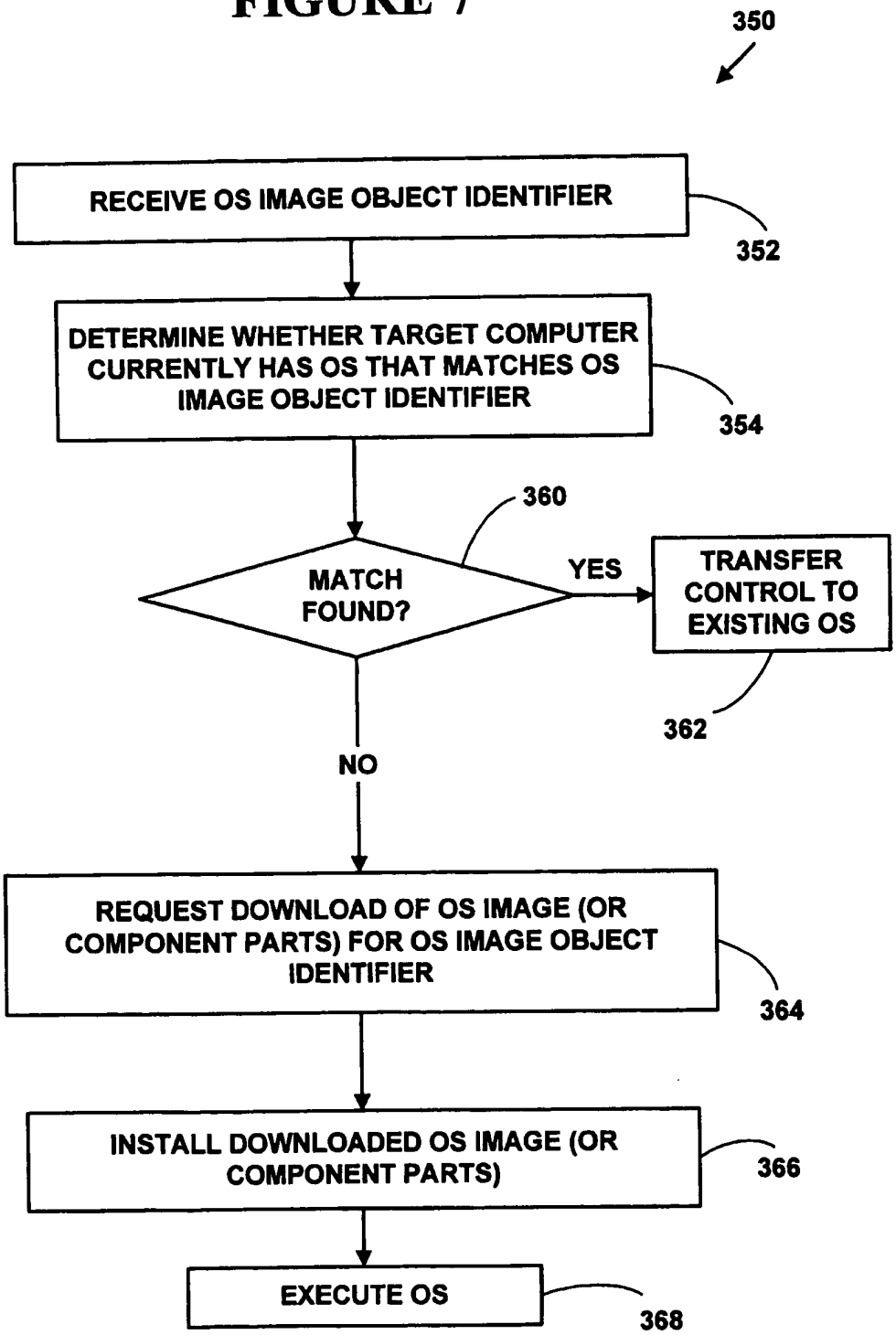

320
RECEIVE REQUEST FROM TARGET COMPUTER WITH POLICY CRITERIA DATA
322
OBTAIN POLICY INFORMATION CORRESPONDING TO POLICY CRITERIA DATA FROM TARGET COMPUTER
324
RESOLVE AN OS IMAGE OBJECT BASED ON POLICY CRITERIA DATA FROM TARGET COMPUTER AND POLICY INFORMATION
326
SEARCH FOR RESOLVED OS IMAGE OBJECT
328
330
MATCH FOUND?
YES
NO
332
SEND OS IMAGE TO TARGET COMPUTER
OR
SEND OS IMAGE OBJECT IDENTIFIER TO TARGET COMPUTER
334
SEND FAILURE MSG TO TARGET COMPUTER
OR
CONSTRUCT OS IMAGE FOR TARGET
336
338

FIGURE 7


350
RECEIVE OS IMAGE OBJECT IDENTIFIER
352
DETERMINE WHETHER TARGET COMPUTER CURRENTLY HAS OS THAT MATCHES OS IMAGE OBJECT IDENTIFIER
354
360
MATCH FOUND?
YES
TRANSFER CONTROL TO EXISTING OS
362
NO
REQUEST DOWNLOAD OF OS IMAGE (OR COMPONENT PARTS) FOR OS IMAGE OBJECT IDENTIFIER
364
INSTALL DOWNLOADED OS IMAGE (OR COMPONENT PARTS)
366
EXECUTE OS
368

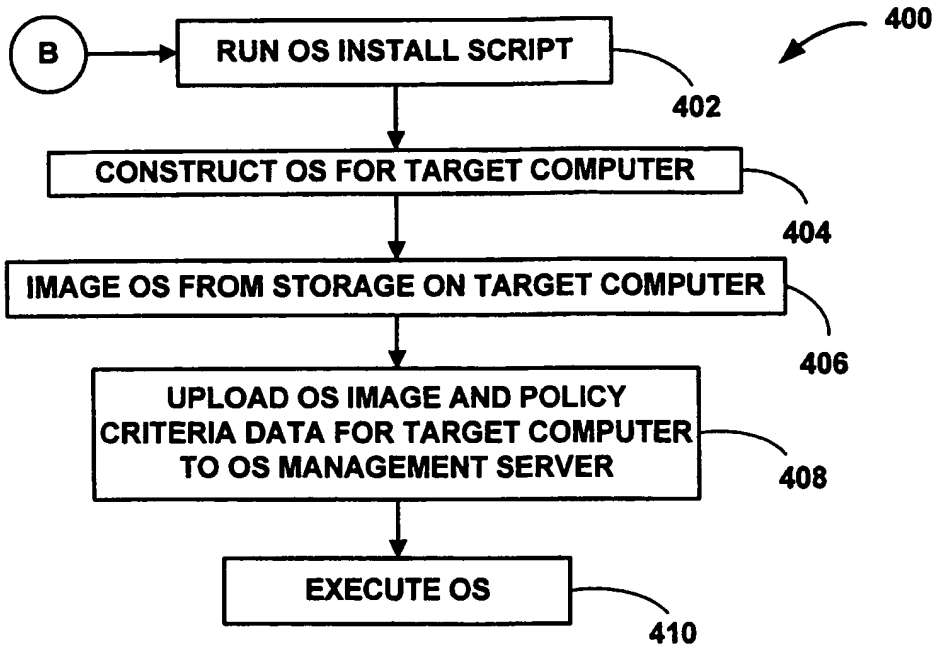


FIGURE 8

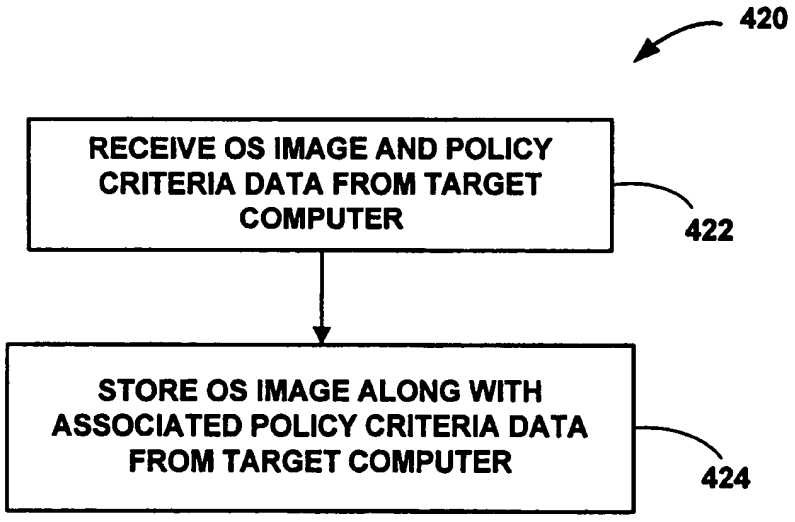


FIGURE 9

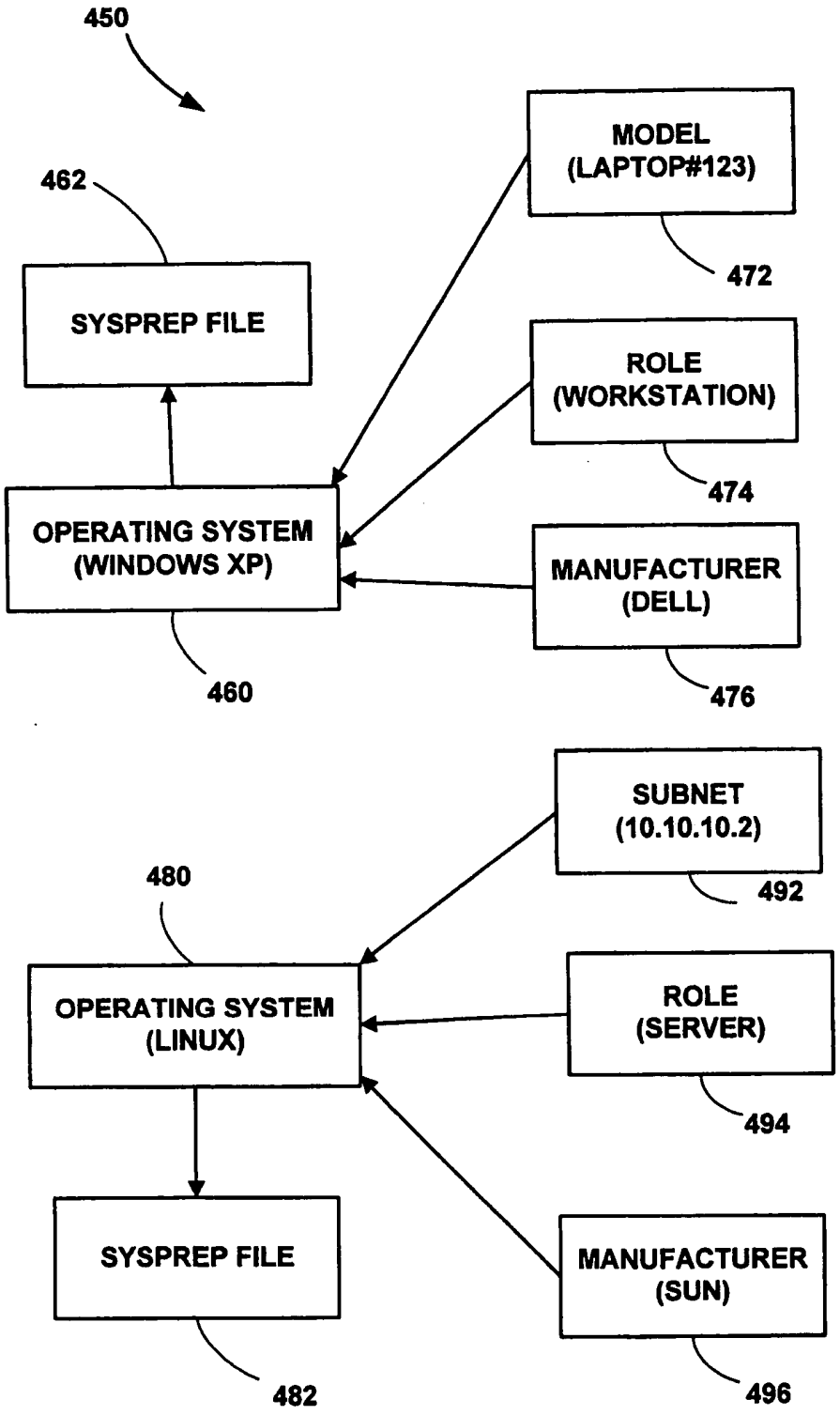

450
462
SYSPREP FILE
MODEL
(LAPTOP#123)
472
ROLE
(WORKSTATION)
474
OPERATING SYSTEM
(WINDOWS XP)
MANUFACTURER
(DELL)
476
460
SUBNET
(10.10.10.2)
492
480
OPERATING SYSTEM
(LINUX)
ROLE
(SERVER)
494
SYSPREP FILE
MANUFACTURER
(SUN)
496
482

FIGURE 10